

Learning to Fly: The Wright Brother's Adventure			
2009 Mathematics			
Core Curriculum			
Iowa Mathematics			
Grades 6-8			
Activity/Lesson	State	Standards	
New Data	IA	MA.6-8.1.2.2	Understand absolute value in terms of distance on the number line and simplify numerical expressions involving absolute value.
1902: Success at Last	IA	MA.6-8.1.2.2	Understand absolute value in terms of distance on the number line and simplify numerical expressions involving absolute value.
1902: Success at Last	IA	MA.6-8.1.4.2	Understand percent as a rate and develop fluency in converting among fractions, decimals, and percents.
1902: Success at Last	IA	MA.6-8.1.5.5	Use ratios and proportionality to solve a wide variety of percent problems, including problems involving discounts, interest, taxes, tips, and percent increase or decrease.
1902: Success at Last	IA	MA.6-8.2.2.4	Use ratios and proportionality to solve a wide variety of percent problems, including problems involving discounts, interest, taxes, tips, and percent increase or decrease.
1902: Success at Last	IA	MA.6-8.3.4.4	Use reasoning about similar triangles to solve a variety of problems, including those that involve determining heights and distances.
1902: Success at Last	IA	MA.6-8.3.4.6	Apply the Pythagorean theorem to find distances between points in the Cartesian coordinate plane and to measure lengths and analyze polygons.
1902: Success at Last	IA	MA.6-8.4.2.3	Summarize and compare data sets using appropriate numerical statistics and graphical representations.
1902: Success at Last	IA	MA.6-8.4.3.2	Apply percentages to make and interpret histograms and circle graphs.
1903: Powered Flight	IA	MA.6-8.1.2.2	Understand absolute value in terms of distance on the number line and simplify numerical expressions involving absolute value.
1903: Powered Flight	IA	MA.6-8.1.3.5	Understand and estimate square roots of non-perfect-squares, and determine more precise values using a calculator.
1903: Powered Flight	IA	MA.6-8.1.5.4	Graph proportional relationships and identify the constant of proportionality as the slope of the related line.

1903: Powered Flight	IA	MA.6-8.2.2.3	Graph proportional relationships and identify the constant of proportionality as the slope of the related line.
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1903: Powered Flight	IA	MA.6-8.3.4.6	Apply the Pythagorean theorem to find distances between points in the Cartesian coordinate plane and to measure lengths and analyze polygons.